**December 2005 Update**

**Defense Depot Ogden Utah (DDOU) Superfund Site**
**Ogden, Utah**
**(5-Year Review Date: 3/5/01)**

***Highlights Since the 2001 5-Year Review***

- **Proposal for non-operational test and evaluation of groundwater treatment system 2004**
- **Work plan approved for groundwater treatment system May 2005**

**Brief Site History**: DDOU, located in Weber County, covers about 1139 acres in northwestern Ogden. Activated in 1941, it served as a warehousing and distribution facility. At one time it stored and distributed food, clothing, petroleum products, as well as medical, industrial, construction and electronic supplies to military installations and other federal agencies. In the past, unknown quantities of both liquid and solid materials (including methyl bromide and mustard gas) were disposed of at DDOU in burning pits, burial pits or off-site disposal facilities.

On-site groundwater sampling identified volatile organic compounds (VOCs), including trichloroethane (TCE), vinyl chloride and dichloroethane (DCA) in the shallow aquifer. Soil was contaminated with semi-volatile compounds metals, including arsenic, lead, zinc, cadmium, mercury and barium, as well as low concentrations of pesticides. Soil and groundwater contamination on the site led the Environmental Protection Agency (EPA) to add DDOU to its Superfund National Priorities List in 1987.

DDOU was closed in September 1997 and much of the facility has been transferred from the Army to the City of Ogden.

**Cleanup Activities Completed**: Excavation and off-site removal of contaminated soils above cleanup levels was completed in June of 1995. Construction of groundwater treatment facilities has been completed at different times for Operable Units (OUs) 1, 2 and 4.

Congress approved DDOU as a Base Realignment and Closure (BRAC) installation in October 1995. Reuse of the base began in late 1997. DDOU officially closed on September 30, 1997. After the site became a BRAC installation, an Environmental Baseline Survey (EBS) was conducted in July 1996. As a result, all areas/sites in question have been studied and addressed, so the property can be leased or transferred as soon as possible. The largest of these, the Plain City Canal, is a former irrigation ditch that was filled with debris from various sites around the facility, including a former burn pit. Removal of the contaminated debris was completed in 1999.

**Current Status**: Operation & Maintenance for the groundwater treatment facilities at OU 1 and OU 4 are continuing. The groundwater treatment has been completed at OU 2 and the treatment system was dismantled.

**Summary of Protectiveness**: The cleanup actions at DDOU are protective of human health and the environment and all immediate threats have been or are being adequately addressed.

**Issues Impacting Protectiveness**: No issues were noted during the five-year review, however three recommendations were identified. The following table summarizes the status of the follow-up actions addressing these recommendations.

## Five-Year Review 2005 Update Table
## (Review Date: 3/5/01)

| Issues | Recommendations / Follow-up Actions | Follow-Up Actions (Status/Due Date) | Status of Follow-Up Actions 12/05 | Responsible Party |
|---|---|---|---|---|
| None, however three recommendations were noted | 1) OU 1 (ground water extraction and treatment system) will be modified to expedite the accomplishment of the remedial objective, while reducing operating costs. | On-going. 4/2003 | On-going. On 7/12/2004 Army submitted proposal to UDEQ and EPA for a 2- year Non-operational Test and Evaluation of OU1 ground water treatment system.<br>The next step, a work plan, was approved May 9, 2005. | Potentially Responsible Party (PRP) |
| | 2) As a contingency, DDOU can modify the existing OU 2 extraction system to contain ground water migrating from the source area in case contaminant levels reach unacceptable levels at extraction wells. | Ground water treatment at OU 2 has been successfully completed and ROD objectives have been met. | Completed. | PRP |
| | 3) OU 4 may be modified to improve the efficiency and effectiveness of the active ground water remediation systems. | On-going. 4/2003 | On-going. Army is evaluating options. | PRP |